

Message Text

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ACTION ARA-14

INFO OCT-01 ISO-00 EB-08 DOE-15 SOE-02 OMB-01 TRSE-00

AID-05 INT-05 /051 W

-----122312 210853Z /14

R 201535Z APR 78

FM AMEMBASSY MANAGUA

TO USDOC WASHDC

INFO SECSTATE WASHDC 6362

UNCLAS SECTION 1 OF 2 MANAGUA 1851

FOR MEPD

E.O. 11652: NA

TAGS: BEXP, ENRG, NU

SUBJECT: MAJOR PROJECTS--ELECTRIC POWER

REF: MANAGUA 1283 AND PREVIOUS

1. THIS IS IN THE FIFTH IN A SERIES OF TELEGRAMS SUMMARIZING MAJOR PROJECTS IN NICARAGUA WHICH OFFER OPPORTUNITIES FOR U.S. FIRMS. EACH TELEGRAM WILL FOCUS ON ONE SECTOR OF THE ECONOMY. AT THE CONCLUSIONS OF THE SERIES, A COMPOSITE, TYPE REPORT WILL BE FORWARDED TO MEPD.

2. PROJECT I - - INTERCONNECTION WITH COSTA RICA AND IMPROVEMENT OF NATIONAL GRID

A. DESCRIPTION

THIS LARGE-SCALE PROJECT INCLUDES 150 KM OF 230 KW OF TRANSMISSION LINES AND STEEL TOWERS LINKING MANAGUA TO THE COSTA RICAN BORDER. IN ADDITION, 17 SUBSTATIONS AROUND MANAGUA ARE TO BE EXPANDED AND/OR UPGRADED, AND NUMEROUS SHORT SECTIONS OF TRANSMISSION LINES ARE TO BE INCREASED IN CAPACITY.

B. PROJECT COST

US\$18 MILLION, FINANCED BY THE INTERNATIONAL BANK FOR RECONSTRUCTION
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AND DEVELOPMENT.

C. FOREIGN PROCUREMENT

TRANSMISSION LINES AND TOWERS, CIRCUIT BREAKERS, CAPACITATORS, OTHER TRANSMISSION AND DISTRIBUTION EQUIPMENT.

D. TIME OF EXECUTION

BIDS TO BE CALLED FOR IN MID-1978.

E. CONTACTS

ING. ADAN CAJINA, PRESIDENT
EMPRESA NACIONAL DE LUZ Y FUERZA (ENALUF)
APARTADO POSTAL 55
MANAGUA, NICARAGUA
TELEPHONE: 22771/4

ING. ROBERTO VEGA
VICE PRESIDENT FOR OPERATIONS
EMPRESA NACIONAL DE LUZ Y FUERZA (ENALUF)
APARTADO POSTAL 55
MANAGUA, NICARAGUA
TELEPHONE: 26525

3. PROJECT II -- MOMOTOMBO GEOTHERMAL PROJECT

A. DESCRIPTION

PROJECT IS PART OF THE DEVELOPMENT OF THE MOMOTOMBO GEOTHERMAL FIELD WHICH MAY GENERATE UP TO 105 MW OF ELECTRIC POWER. FIRST PHASE, NOW IN EXECUTION, IS INSTALLATION OF A 35 MW TURBINE GENERATING PLANT. PLANS FOR INSTALLATION OF A SECOND 35 MW FACILITY NOW UNDERWAY. PROJECT WOULD BE FOR PLANT ONLY AS GATHERING SYSTEM WOULD ALREADY HAVE BEEN INSTALLED.

B. PROJECT COST

APPROXIMATELY \$24 MILLION.

C. FOREIGN PROCUREMENT

35 MW TURBINE TURNKEY GENERATOR PLANT. SOME SOURCES INDICATE THAT JAPANESE SUPPLIERS WILL HAVE ADVANTAGE WITH THIS PLANT SINCE IT IS TO UNCLASSIFIED

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BE COMPATIBLE WITH FIRST-PHASE JAPANESE-BUILT PLANT.

D. TIME OF EXECUTION

PROPOSALS NOW BEING ACCEPTED. WOULD LIKE TO ORDER IN 1978 AND COMMENCE OPERATIONS IN MID-1981.

E. CONTACTS

PRESIDENT ANASTASIO SOMOZA DEBAYLE
DESPACHO PRESIDENCIAL
MANAGUA, NICARAGUA
TELEPHONE: 27600

4. PROJECT III -- PCOPALAR HYDROELECTRIC PROJECT

A. DESCRIPTION

THIS PROJECT INVOLVES THE CONSTRUCTION OF ONE DAM ON THE RIO GRANDE DE MATAGALPA, WITH A TOTAL OF 350 MW OF INSTALLED GENERATING CAPACITY.

B. PROJECT COST

ESTIMATED AT US\$310 (IN 1977 DOLLARS.) ACTUAL COST EXPECTED TO BE PERHAPS AS MUCH AS FIFTY PERCENT HIGHER. NEGOTIATIONS FOR FINANCING ARRANGEMENTS WITH CANADA, VENEZUELA, AND BRAZIL UNDERWAY.

C. FOREIGN PROCUREMENT

ENGINEERING, SERVICES, FOUR TURBINES WITH 87.5 MW CAPACITY EACH, RELATED GENERATING EQUIPMENT, TRANSMISSION LINES, AND CONSTRUCTION

EQUIPMENT.

D. TIME OF EXECUTION

FEASIBILITY AND ENGINEERING STUDY COMPLETED. CONSTRUCTION WILL BEGIN TWO MONTHS AFTER FINANCING FINALIZED, PERHAPS IN AUGUST OR SEPTEMBER. PROJECT COMPLETION SCHEDULED FOR 1984. N.B. EDDIE RODRIGUEZ FELIU, A FINANCIAL AGENT FOR NICARAGUAN GOVT, IS ARRANGING FINANCIAL PACKAGE FOR THIS PROJECT ON BEHALF OF PRES. SOMOZA.

E. CONTACTS

PRESIDENT ANASTASIO SOMOZA DEBAYLE
DESPACHO PRESIDENCIAL
MANAGUA, NICARAGUA
TELEPHONE: 27600

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5. PROJECT IV -- BRITO HYDROELECTRIC PROJECT

A. DESCRIPTION

PROJECT INVOLVES PARTIALLY STEMMING THE OUTFLOW OF LAKE NICARAGUA BY DAMMING THE RIO SAN JUAN AND DIVERTING WATER TO THE PACIFIC DOWN THE BRITO RIVER. A GENERATING FACILITY OF 250 MW WOULD BE LOCATED AT THE TOWN OF BRITO ON PACIFIC COAST. IN ADDITION TO DAM CONSTRUCTION ON THE SAN JUAN RIVER, ACROSS THROUGH THE NARROW CONTINENTAL DIVIDE WOULD BE NECESSARY TO LINK THE LAKE WITH THE BRITO RIVER.

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FOR MEPD

B. PROJECT COST

\$250 MILLION. FINANCING SOURCE NOT AS YET DETERMINED.

C. FOREIGN PROCUREMENT

TURBINES, GENERATORS, MECHANICAL AND ELECTRICAL EQUIPMENT.

D. TIME OF EXECUTION

FEASIBILITY STUDY CONDUCTED BY U.S. BUREAU OF RECLAMATION NOW UNDER-WAY AND SCHEDULED TO BE COMPLETED BY MAY 15, 1978. CONSTRUCTION SCHEDULED TO BEGIN IN 1979 AND TO BE COMPLETED IN 1982.

E. CONTACTS

ING. REMY RENER, VICE MINISTER

FOR DEVELOPMENT OF EAST COAST MINISTRY OF PUBLIC WAORKS

APARTADO POSTAL 28

MANAGUA, NICARAGUA

TELEPHONE: 25952/4

MR. STANLEY LARSEN

U.S. BUREAU OF RECLAMATION

AMERICAN EMBASSY MANAGUA

APO NEW YORK 09885

6. PROJECT V -- INSTALLATION OF GAS TURBINE

A. DESCRIPTION

PROJECT INVOLVES THE SUPPLYING AND INSTALLING OF ONE GAS TURBINE OF 20-30 MW CAPABILITY IN THE CITY OF MANAGUA. INSTALLATION WOULD CON-UNCLASSIFIED

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NECT TO EXISTANT SUBSTATIONS.

B. PROJECT COST

APPROXIMATELY \$4 MILLION. SUPPLIER WOULD HAVE TO OFFER SUPPLIER'S CREDIT OR FINANCIAL PACKAGE.

C. FOREIGN PROCUREMENT

GAS TURBINE OR DIESEL GENERATOR SETS.

D. TIME OF EXECUTION

BIDS NOW BEING ACCEPTED. DELIVERY ESTIMATED FOR WITHIN THREE TO NINE MONTHS. THIS IS PROBABLY OF VERY HIGH PRIORITY GIVEN NICARAGUA'S CURRENT TIGHT POWER SUPPLY SITUATION.

E. CONTACTS

ING. ADAN CAJINA, PRESIDENT

EMPRESA NACIONAL DE LUZ Y FUERZA (ENALUF)

APARTADO POSTAL 55

MANAGUA, NICARAGUA

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ING. ROBERTO VEGA

DIRECTOR OF OPERATIONS

EMPRESA NACIONAL DE LUZ Y FUERZA (ENALUF)

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Message Attributes

Automatic Decaptoning: X
Capture Date: 01 jan 1994
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Concepts: ELECTRIC POWER, PROGRAMS (PROJECTS), MARKET OPPORTUNITIES
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
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Review Exemptions: n/a
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Review Release Date: N/A
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
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Secure: OPEN
Status: NATIVE
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TAGS: BEXP, ENRG, NU, US
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Type: TE
vdkgwkey: odbc://SAS/SAS.dbo.SAS_Docs/076679aa-c288-dd11-92da-001cc4696bcc
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